

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101791,373

Source: _____

Date Processed by STIC: _____

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/791,373

DATE: 04/20/2005

TIME: 10:55:43

Input Set : N:\Crf3\RULE60\10791373.raw.txt
 Output Set: N:\CRF4\04202005\J791373.raw

62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1: 15
 64 ATGTGGACAG TTGTA
 66 (2) INFORMATION FOR SEQ ID NO: 2:
 68 (i) SEQUENCE CHARACTERISTICS:
 69 (A) LENGTH: 15 base pairs
 70 (B) TYPE: nucleic acid
 71 (C) STRANDEDNESS: single
 72 (D) TOPOLOGY: linear
 W--> 74 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 80 ATGTGGATAG TTGTA 15
 82 (2) INFORMATION FOR SEQ ID NO: 3:
 84 (i) SEQUENCE CHARACTERISTICS:
 85 (A) LENGTH: 15 base pairs
 86 (B) TYPE: nucleic acid
 87 (C) STRANDEDNESS: single
 88 (D) TOPOLOGY: linear
 W--> 90 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 96 ATGTGGAKAG TTGTA 15
 98 (2) INFORMATION FOR SEQ ID NO: 4:
 100 (i) SEQUENCE CHARACTERISTICS:
 101 (A) LENGTH: 11 base pairs
 102 (B) TYPE: nucleic acid
 103 (C) STRANDEDNESS: single
 104 (D) TOPOLOGY: linear
 W--> 106 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 112 AAAACTGAAA A 11
 114 (2) INFORMATION FOR SEQ ID NO: 5:
 116 (i) SEQUENCE CHARACTERISTICS:
 117 (A) LENGTH: 11 base pairs
 118 (B) TYPE: nucleic acid
 119 (C) STRANDEDNESS: single
 120 (D) TOPOLOGY: linear
 W--> 122 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 128 AAAACCGAAA A 11
 130 (2) INFORMATION FOR SEQ ID NO: 6:
 132 (i) SEQUENCE CHARACTERISTICS:
 133 (A) LENGTH: 17 base pairs
 134 (B) TYPE: nucleic acid
 135 (C) STRANDEDNESS: single
 136 (D) TOPOLOGY: linear
 W--> 138 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 144 AAACCCAATC CACATCA 17
 146 (2) INFORMATION FOR SEQ ID NO: 7:
 148 (i) SEQUENCE CHARACTERISTICS:

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149 (A) LENGTH: 17 base pairs
 150 (B) TYPE: nucleic acid
 151 (C) STRANDEDNESS: single
 152 (D) TOPOLOGY: linear
W--> 154 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
 160 AAACCCAGTC CACATCA 17
 162 (2) INFORMATION FOR SEQ ID NO: 8:
 164 (i) SEQUENCE CHARACTERISTICS:
 165 (A) LENGTH: 31 base pairs
 166 (B) TYPE: nucleic acid
 167 (C) STRANDEDNESS: single
 168 (D) TOPOLOGY: linear
W--> 170 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
 176 GGGGAAGCAG ATTTGGGTAC CACCCAAGTA T 31
 178 (2) INFORMATION FOR SEQ ID NO: 9:
 180 (i) SEQUENCE CHARACTERISTICS:
 181 (A) LENGTH: 31 base pairs
 182 (B) TYPE: nucleic acid
 183 (C) STRANDEDNESS: single
 184 (D) TOPOLOGY: linear
W--> 186 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 192 GGGGAAGCAG ATTTGAAMAC CACCCAAGTA T 31
 194 (2) INFORMATION FOR SEQ ID NO: 10:
 196 (i) SEQUENCE CHARACTERISTICS:
 197 (A) LENGTH: 59 base pairs
 198 (B) TYPE: nucleic acid
 199 (C) STRANDEDNESS: single
 200 (D) TOPOLOGY: linear
W--> 202 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
 208 GCATTAGTAG AGATATGTAC AGAAATGGAA AAGGAAGGGA AAATTTCAAA AATTGGGCC 59
 210 (2) INFORMATION FOR SEQ ID NO: 11:
 212 (i) SEQUENCE CHARACTERISTICS:
 213 (A) LENGTH: 59 base pairs
 214 (B) TYPE: nucleic acid
 215 (C) STRANDEDNESS: single
 216 (D) TOPOLOGY: linear
W--> 218 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 224 GCATTAGTAG AAATTGTAC AGAGATGGAA AAGGAAGGGA AAATTTCAAA AATTGGGCC 59
 226 (2) INFORMATION FOR SEQ ID NO: 12:
 228 (i) SEQUENCE CHARACTERISTICS:
 229 (A) LENGTH: 59 base pairs
 230 (B) TYPE: nucleic acid
 231 (C) STRANDEDNESS: single
 232 (D) TOPOLOGY: linear

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W--> 234 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 238 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 240 GCATTAGTAG AGATATGGAG AGRARDGGRA ANNNAAGGGA AAATTNNNAA AATTGGGCC 59
 242 (2) INFORMATION FOR SEQ ID NO: 13:
 244 (i) SEQUENCE CHARACTERISTICS:
 245 (A) LENGTH: 59 base pairs
 246 (B) TYPE: nucleic acid
 247 (C) STRANDEDNESS: single
 248 (D) TOPOLOGY: linear
 W--> 250 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 256 GCATTAGTAG AGATATGKAS AGRARDGGRA ANNNAAGGGA AAAKTNNA AATTGGGCC 59
 259 (2) INFORMATION FOR SEQ ID NO: 14:
 261 (i) SEQUENCE CHARACTERISTICS:
 262 (A) LENGTH: 59 base pairs
 263 (B) TYPE: nucleic acid
 264 (C) STRANDEDNESS: single
 265 (D) TOPOLOGY: linear
 W--> 267 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 271 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 273 GCATTAGTAG AGATATGKAS AGRRRDGGRA ANNNAAGGGA AAADTYNNA AATTGGGCC 59
 275 (2) INFORMATION FOR SEQ ID NO: 15:
 277 (i) SEQUENCE CHARACTERISTICS:
 278 (A) LENGTH: 59 base pairs
 279 (B) TYPE: nucleic acid
 280 (C) STRANDEDNESS: single
 281 (D) TOPOLOGY: linear
 W--> 283 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 287 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 289 GCATTAGTAG AGATATGTAS AGRRADGGAA ANGGAAGGGA AAATTNNNA AATTGGGCC 59
 291 (2) INFORMATION FOR SEQ ID NO: 16:
 293 (i) SEQUENCE CHARACTERISTICS:
 294 (A) LENGTH: 59 base pairs
 295 (B) TYPE: nucleic acid
 296 (C) STRANDEDNESS: single
 297 (D) TOPOLOGY: linear
 W--> 299 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 303 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 305 GCATTAGTAG AGATATGTAC AGRGAGGGAA ANGGAAGGGA AAATTNNNA AATTGGGCC 59
 307 (2) INFORMATION FOR SEQ ID NO: 17:
 309 (i) SEQUENCE CHARACTERISTICS:
 310 (A) LENGTH: 59 base pairs
 311 (B) TYPE: nucleic acid
 312 (C) STRANDEDNESS: single
 313 (D) TOPOLOGY: linear
 W--> 315 (ii) MOLECULE TYPE: DNA (oligonucleotide)
 319 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 321 GCATTAGTAG AGATATGTAS AGRGAGGGAA ANGGAAGGGA AAATTNNNA AATTGGGCC 59
 323 (2) INFORMATION FOR SEQ ID NO: 18:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/791,373

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Input Set : N:\Crf3\RULE60\10791373.raw.txt
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325 (i) SEQUENCE CHARACTERISTICS:
326 (A) LENGTH: 59 base pairs
327 (B) TYPE: nucleic acid
328 (C) STRANDEDNESS: single
329 (D) TOPOLOGY: linear
W--> 331 (ii) MOLECULE TYPE: DNA (oligonucleotide)
335 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
337 GCATTAGTAG GAGGNNGAC AGGGRKGAA ANNMAAGGGA AAAKTNNA AATTGGGCC 59
339 (2) INFORMATION FOR SEQ ID NO: 19:
341 (i) SEQUENCE CHARACTERISTICS:
342 (A) LENGTH: 160 base pairs
343 (B) TYPE: nucleic acid
344 (C) STRANDEDNESS: single
345 (D) TOPOLOGY: linear
W--> 347 (ii) MOLECULE TYPE: DNA (oligonucleotide)
351 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
353 TCGAGATAAT CTATGCCTC GTCTACTATG TCATAATCTT CTTTACTTAA ACGGTCTTT 60
355 TACCTTTGGT TTTTACTATC CCCCTTAACC TCCAAAATAG TTTCATTCTG TCATGCTAGT 120
357 CTATGGACAT CTTTAGACAC CTGTATTCG ATATCCATGT 160
359 (2) INFORMATION FOR SEQ ID NO: 20:
361 (i) SEQUENCE CHARACTERISTICS:
362 (A) LENGTH: 160 base pairs
363 (B) TYPE: nucleic acid
364 (C) STRANDEDNESS: single
365 (D) TOPOLOGY: linear
W--> 367 (ii) MOLECULE TYPE: DNA (oligonucleotide)
371 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
373 NNGAGATANN NTATGCCTC GTCYACTATG TNANNNNNN NNNNNNNNA ACGGTCTNN 60
375 NNNNNNNNNN NNNNNNNNNN CNNCNTAACCC TCCAAAATAN NNNNNNTCTN NNNNANNNT 120
377 CTANNNGNAG NNNNAGANAR NCCNNNNNNN NNATNCATGT 160
379 (2) INFORMATION FOR SEQ ID NO: 21:
381 (i) SEQUENCE CHARACTERISTICS:
382 (A) LENGTH: 160 base pairs
383 (B) TYPE: nucleic acid
384 (C) STRANDEDNESS: single
385 (D) TOPOLOGY: linear
W--> 387 (ii) MOLECULE TYPE: DNA (oligonucleotide)
391 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
393 TCGAGATAAT CTATGCCTC GTCTACTATG TCATAATNNN NNNNACTTAA ACGGTCTTT 60
395 TACCTTTGGT TTTTACTATC CCCCTTAACC TCCAAAATAG TTTCATTCTG NCATANNAGT 120
397 CTATGNGNNG NNNTAGACAG NCCNNNNTCG ATATCCATGT 160
399 (2) INFORMATION FOR SEQ ID NO: 22:
401 (i) SEQUENCE CHARACTERISTICS:
402 (A) LENGTH: 160 base pairs
403 (B) TYPE: nucleic acid
404 (C) STRANDEDNESS: single
405 (D) TOPOLOGY: linear
W--> 407 (ii) MOLECULE TYPE: DNA (oligonucleotide)
411 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/791,373

DATE: 04/20/2005
TIME: 10:55:44

Input Set : N:\Crf3\RULE60\10791373.raw.txt
Output Set: N:\CRF4\04202005\J791373.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:38 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)
L:58 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
L:74 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:90 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3
L:106 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L:122 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:138 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:154 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:170 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:186 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:202 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:218 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:234 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:250 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:267 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:283 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15
L:299 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16
L:315 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17
L:331 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18
L:347 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19
L:367 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20
L:387 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=21
L:407 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=22
L:427 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=23
L:447 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=24
L:467 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=25
L:487 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=26
L:507 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=27
L:527 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=28
L:543 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=29
L:559 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=30
L:575 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=31
L:591 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=32
L:607 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=33
L:623 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=34
L:639 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=35
L:655 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=36
L:671 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=37
L:687 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=38
L:703 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39